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**Derwent Title:** Capsules comprise a mineral outer layer and a liquid core in which is a biologically active material for use in the fermentation, biomedical, food, and chemical industries

**Original Title:** ☒ [WO0025761A1](#): CAPSULES WITH POROUS MINERAL CORTEX

**Assignee:** RHODIA CHIM Standard company  
Other publications from [RHODIA CHIM \(RHOD\)](#)...

**Inventor:** DUPUIS D; JOURDAT C;

**Accession/Update:** 2000-376070 / 200365

**IPC Code:** A61K 9/50 ; C12N 11/14 ; A61K 9/48 ; A61K 35/12 ; A61K 35/70 ; A61K 35/72 ; A61K 35/74 ; A61K 35/78 ; A61K 35/80 ; A61K 38/00 ; A61K 38/43 ; A61K 47/04 ; A61K 47/14 ; A61K 47/38 ; B01J 2/06 ; B01J 13/02 ; B01J 13/06 ; C12N 11/04 ; C12N 11/14 ; C12R 1/19 ;

**Derwent Classes:** [B07](#); [D16](#); [D13](#);

**Manual Codes:** [B04-F01](#)(Cells, microorganisms, transformants, hosts, cell lines, tissue [general]) , [B04-L01](#)(Enzymes, catalytic proteins general and other) , [B04-N04](#)(Protein/polypeptide of undefined origin (no sequence)) , [B05-A01B](#)(Group 1a, 2a, 3a metals and compounds [exc. K, B, Ra]) , [B05-B02C](#)(Si, Se, Te, B inorganic, inert gases) , [B12-M11C](#) (Capsule) , [D03-H01T2](#)(Other health foods) , [D05-A03A](#) (Carriers for microorganisms. Microorganisms bound to carriers) , [D05-H10](#)(Fixing biological substances or cells to a carrier and the carriers themselves)

**Derwent Abstract:** ([WO0025761A](#)) Novelty - Capsules comprising a mineral outer layer and a liquid core in which is fixed at least one biologically active material, the process for their preparation and their use.

**Use** - The capsules may be used in the fermentation, biomedical, food, and chemical industries.

**Advantage** - The structure of the capsules ensures preservation of the biological material and can allow its development whilst being protected against degradation by the environment.

[Dwg.0/2](#)

**Family:**

PDF Patent	Pub. Date	Derwent Update	Pages	Language	IPC Code
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<input checked="" type="checkbox"/> <a href="#">WO0025761A1</a> *	2000-05-11	200032	33	French	A61K 9/50
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**Des. States:** (N) AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW (R) AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

**Local appls.:** [WO1999FR0002614](#) Filed: 1999-10-27 (99WO-FR02614)

<input checked="" type="checkbox"/> <a href="#">NZ0511365A</a> =	2003-08-29	200365		English	A61K 9/50
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**Local appls.:** Based on [WO00025761](#) (WO 200025761)

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WO1999FR0002614 Filed:1999-10-27 (99WO-FR02614)  
 NZ1999000511365 Filed:1999-10-27 (99NZ-0511365)

☒ AU0764016B = 2003-08-07 200362 English A61K 9/50

Local appls.: Based on WO00025761 (WO 200025761)  
 Previous Publ. AU09963469 (AU 9963469)  
 AU1999000063469 Filed:1999-10-27 (99AU-0063469)

JP2003515310W = 2003-05-07 200331 30 English C12N 11/14

Local appls.: Based on WO00025761 (WO 200025761)  
 JP2000000579202 Filed:1999-10-27 (2000JP-0579202)  
 WO1999FR0002614 Filed:1999-10-27 (99WO-FR02614)

☒ EP1124542A1 = 2001-08-22 200149 French A61K 9/50

Des. States: (R) AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL  
 PT RO SE SI

Local appls.: Based on WO00025761 (WO 200025761)  
 WO1999FR0002614 Filed:1999-10-27 (99WO-FR02614)  
 EP1999000950847 Filed:1999-10-27 (99EP-0950847)

☒ BR9914907A = 2001-08-07 200152 PT\_BR A61K 9/50

Local appls.: Based on WO00025761 (WO 200025761)  
 BR1999000014907 Filed:1999-10-27 (99BR-0014907)  
 WO1999FR0002614 Filed:1999-10-27 (99WO-FR02614)

AU9963469A = 2000-05-22 200040 English

Local appls.: Based on WO00025761 (WO 200025761)  
 AU1999000063469 Filed:1999-10-27 (99AU-0063469)

☒ FR2785292A1 = 2000-05-05 200032 French C12N 11/14

Local appls.: FR1998000013695 Filed:1998-10-30 (98FR-0013695)

☐ INPADOC  
 Legal Status:  
☐ First Claim:  
 Show all claims  
☐ Priority Number:

Show legal status actions

#### REVENDICATIONS

Application Number	Filed	Original Title
FR1998000013695	1998-10-30	CAPSULES A ECORCE MINERALE POREUSE DANS LESQUELLES SONT IMMOBILISEES DANS UN MILIEU BIOLOGIQUE LIQUIDE, UNE OU PLUSIEURS MATIERES BIOLOGIQUES, LEURS PROCEDE DE PREPARATION ET UTILISATIONS

☐ Chemical  
 Indexing Codes:

Show chemical indexing codes

☐ Specific  
 Compound  
 Numbers:  
☐ Registry  
 Numbers:

Show specific compounds

05[M2]:2020U  
 06[M2]:1544U

☐ Unlinked  
 Registry Numbers:  
☐ Related  
 Accessions:

1544U 1694U 2020U

Accession Number	Type	Derwent Update	Derwent Title
C2000-113606	C		

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Title Terms: CAPSULE COMPRISE MINERAL OUTER LAYER LIQUID CORE BIOLOGICAL  
ACTIVE MATERIAL FERMENTATION BIOMEDICAL FOOD CHEMICAL  
INDUSTRIAL

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